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INTERNATIONAL

PRELIMINARY EXAMINATION

REPORT

IN JAPANESE





PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 664102	FOR FURTHER ACTI	ION '	See Form PCT/IPEA/416
		day/month/year) (10.10.2003)	Priority date (day/month/year) 11 October 2002 (11.10.2002)
International Patent Classification (IPC) or national classification and IPC C12N 9/02, 15/53, C12Q 1/68, 1/26, C07K 16/40, G01N 33/15, 33/50, 33/53, 33/566, 33/569			
Applicant OSAKA BIOSCIENCE INSTITUTE			
This report is the international preli Authority under Article 35 and tran	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 		
2. This REPORT consists of a total of	5 sheets, in	cluding this cover	sh ee t.
3. This report is also accompanied by			
a. (sent to the applicant and	d to the International Bured	au) a total of	sheets, as follows:
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).			
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.			
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) 1 , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).			
4. This report contains indications relating to the following items:			
	Box No. I Basis of the report		
Box No. II Priority			
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
	Box No. IV Lack of unity of invention		
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI Certain docu	ments cited		
Box No. VII Certain defe	Box No. VII Certain defects in the international application		
Box No. VIII Certain observations on the international application			
Date of submission of the demand		Date of completion	of this report
05 February 2004 (05.	02.2004)	2	0 May 2004 (20.05.2004)
Name and mailing address of the IPEA/JF		Authorized officer	
Facsimile No		Telephone No.	



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Intermonal application No.

PCT/JP2003/013043

Box No.	1 Basis of the report			
	regard to the language, this report is based on the international application in the language vise indicated under this item.	e in which it was filed, unless		
	This report is based on translations from the original language into the following lar which is language of a translation furnished for the purpose of:	port is based on translations from the original language into the following language, is language of a translation furnished for the purpose of:		
	international search (under Rules 12.3 and 23.1(b))			
	publication of the international application (under Rule 12.4)			
	international preliminary examination (under Rules 55.2 and/or 55.3)			
furni	regard to the elements of the international application, this report is based on (replied to the receiving Office in response to an invitation under Article 14 are referred to re not annexed to this report): The international application as originally filed/furnished the description: pages pages* received by this Authority on received by this Authority on the claims: pages pages* pages* pages* pages* received by this Authority on pages* pages* received by this Authority on received by this Authority	as originally filed/furnished as originally filed/furnished		
	•	, as originally filed/furnished		
	pages* received by this Authority on	, as originary moviminated		
	pages* received by this Authority on			
	a sequence listing and/or any related table(s) - see Supplemental Box Relating to Seque	V ****		
3.	The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):			
4	This report has been established as if (some of) the amendments annexed to this report made, since they have been considered to go beyond the disclosure as filed, as in (Rule 70.2(c)). the description, pages the claims, Nos the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify): the sequence of those sheets may be marked "superseded."	ort and listed below had not been dicated in the Supplemental Box		

INTERNATIONAL PRELITY... ARY REPORT ON PATENTABILITY

Box No. 1	II Non-establishment of opinion	with regard to novelty, inventive step and industrial applicability			
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:					
	the entire international application.				
\boxtimes	claims Nos8-	10			
becau	se:				
\boxtimes					
The inv	entions of claims 8-10 inclu	ide a method for diagnosis of the human body.			
	the description, claims or drawing are so unclear that no meaningful	s (indicate particular elements below) or said claims Nosopinion could be formed (specify):			
	the claims, or said claims Nos by the description that no meanin	gful opinion could be formed.			
	no international search report has been established for said claims Nos				
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:				
į.	the written form	has not been furnished			
		does not comply with the standard			
	the computer readable form	has not been furnished			
		does not comply with the standard			
	the tables related to the nucleotide the technical requirements provide	e and/or amino acid sequence listing, if in computer readable form only, do not comply with ed for in Annex C-bis of the Administrative Instructions.			
	see Supplemental Box for further	details.			



Internal application No.
PCT/JP03/13043

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY			ENIABILITY PC1/JPC	PC1/JP03/13043	
Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement					
Novelty (N)		Claims	1-7	YES	
		Claims		МО	
Inventive step (IS)		Claims	1-7		
		Claims		МО	
Indust	trial applicability (IA)	Claims	1-7	YES	
		Claims		NO	
Document		0.7) 2000, Vol. 192, No.9 , Vol. 294, pages 231		• • • • • • • • • • • • • • • • • • • •	

•Claims 1-7

Documents 1 and 2 cited in the international search report do not describe the inventions of claims 1-7, and therefore these inventions have novelty and involve an inventive step.

Documents 1 and 2 do not describe a flavin protein that includes the amino acid sequence identified as SEQ ID No: 2 and that has enzymatic activity to reduce prostaglandin H2 from *Trypanosoma cruzi* to prostaglandin H2a, and persons skilled in the art cannot easily conceive of this matter.

INTERNATIONAL PRELITIONARY REPORT ON PATENTABILITY

Su	Supplemental Box Relating to Sequence Listing				
C	ntinu	ation	on of Box No. 1, item 2:		
i.	With	th regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ention, this report was established on the basis that of:			
	8.	type	pe of material		
		\boxtimes	a sequence listing		
			table(s) related to the sequence listing		
	ъ.	forn	rmat of material		
			in written format		
		\boxtimes	in computer readable form		
	C.	time	me of filing/furnishing		
			contained in the international application as filed		
l		\boxtimes	filed together with the international application in computer readable form		
İ			furnished subsequently to this Authority for the purpose of search and/or exami	nation	
			received by this Authority as an amendment* on		
2	. 🖂	ori	n addition, in the case that more than one version or copy of a sequence listing and/or furnished, the required statements that the information in the subsequent or addition pplication as filed or does not go beyond the application as filed, as appropriate, we	mai copies is identical to that in the	
3.	Ad		onal comments:		
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	*] "sı	f item iperse	om 4 in Box No. I applies, the listing and /or table(s) related thereto, which form pa seded".	rt of the basis of the report, may be marked	
1					